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K Deb

D Goldberg

C Fonseca

E Zitzler

N Srinivas

[BOOK] Multi-**Objective Optimization** Using Evolutionary Algorithms - all 3 versions »
K Deb - 2001 - books.google.com
... is demonstrated by presenting a nu mber of applications in engineering **design**. ... for
developing an even better and a pragmatic **multi-objective optimization** tool. ...
Cited by 1427 - Related Articles - Web Search - Library Search

[BOOK] Genetic Algorithms in Search, **Optimization** and Machine Learning - all 8 versions »
DE Goldberg - 1989 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA
... an aircraft engine mount via **bit**-masking oriented ... Eglais uniform Latin hypercube
design of experiments ... Roger M. Whitaker, **Multi-objective optimization** in area ...
Cited by 19220 - Related Articles - Web Search - Library Search

[PS] Genetic algorithms for multiobjective **optimization**: Formulation, discussion and
generalization - all 7 versions »
CM Fonseca, PJ Fleming - Proceedings of the Fifth International Conference on Genetic ..., 1993 -
neo.lcc.uma.es
... the simulta- neous **optimization** of **multiple**, often competing ... method solves the
multiobjective **optimization** problem dened ... and f the vector **objective** function, by ...
Cited by 903 - Related Articles - View as HTML - Web Search

[PS] Evolutionary algorithms for multi-criterion **optimization** in engineering **design** - all 16
versions »
K Deb - Evolutionary Algorithms in Engineering and Computer Science, 1999 - delta.cs.cinvestav.mx
... of **multi**-criterion optimizationis dierent from that in a single-**objective optimization**.
In single- **objective optimization**, the goal is to nd the best **design** ...
Cited by 95 - Related Articles - View as HTML - Web Search

[BOOK] **Optimization** for Engineering **Design**: Algorithms and Examples
K Deb - 1998 - books.google.com
... Thus, in most optimal **design** problem, **multiple objectives** are avoided ... the most important
objective as the **objective** function of the **optimization** problem, and ...
Cited by 229 - Related Articles - Web Search - Library Search

A niched Pareto genetic algorithm for multiobjective **optimization** - all 13 versions »
J Horn, N Nafpliotis, DE Goldberg - Evolutionary Computation, 1994. IEEE World Congress on ..., 1994 -
ieeexplore.ieee.org
... previous approaches to mul- tiobjective **optimization** with GAs ... To avoid convergence
and maintain **multiple** Pareto optimal ... of an individual's **objective** fitness f ...
Cited by 539 - Related Articles - Web Search

A hybrid multi-**objective** evolutionary approach to engineering shape **design** - all 9 versions »
K Deb, T Goel - ... Conference on Evolutionary Multi-Criterion **Optimization**, 2001 - Springer
... efficacy of the proposed hybrid **multi-objective optimization** procedure in ... A **bit**-wise
mutation with a probability of 1 ... Thus, 60 **bits** are used construct a binary ...
Cited by 22 - Related Articles - Web Search - BL Direct

Inverse and direct airfoil **design** using a multiobjective genetic algorithm - all 4 versions »
A Vicini, D Quagliarella - AIAA Journal, 1997 - pdf.aiaa.org

... the drag coef® cients as an **objective** function at ... de- veloped,which meet the **multiple design** goals at ... in the case of aerodynamic **optimization**, generally, it ...
Cited by 58 - Related Articles - Web Search - BL Direct

A multi-sexual genetic algorithm for multiobjective **optimization** - all 3 versions »
J Lis, AE Eiben - ... Computation, 1997., IEEE International Conference on, 1997 - ieeexplore.ieee.org
... problem consists of a number of **objectives** and constraints ... leads to improved GA performance, the **multi**-parent crossover ... x and F (ie th **optimization** criterion. ...
Cited by 55 - Related Articles - Web Search

On improving multiobjective genetic algorithms for **design optimization** - all 2 versions »
S Narayanan, S Azarm - Structural and Multidisciplinary **Optimization**, 1999 - Springer
... a broad methodology to handle **multiple objectives** in a ... not Pareto solutions to the **optimization** problem, but ... is the feasible region on the **objective** func- tion ...
Cited by 51 - Related Articles - Web Search - BL Direct

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(multiple adj objective adj optimization same roller adj cone).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:07
L2	0	(multiple adj objective same roller adj cone).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:08
L3	0	(multobjective same roller adj cone). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:08
L4	0	(multiobjective same roller adj cone). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:08
L5	1	(multi-objective same roller adj cone). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:08
S16	2	"5104621".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/12 17:05
S17	0	"220070055488"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 14:08
S18	2	"20070055488"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 14:10
S19	0	signature adj fail same simulat$3 same sort$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:11

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S20	1	signature adj fail same simulat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:11
S21	2	data adj signature near3 file same simulat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:12
S22	43	signature near3 file same simulat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:13
S23	2	S22 same HTML	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:13
S24	2	signature near3 file same sort$3 same fail$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:14
S25	58	signature near3 file same sort$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:14
S26	12	S25 and (revision or release)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:19
S27	3	S26 and html	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:01
S28	2	"20050055196"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:03
S29	2	tracer adj packet same simulat$ same network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:04

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S30	14	tracer adj packet and simulat$ same network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:07
S31	0	tracer adj packet same traffice	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:07
S32	8	tracer adj packet same traffic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:10
S33	1	tracer adj packet same traffic same delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:13
S34	2	"20050209839"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:19
S35	0	multi$processor same simulat$3 same timing same transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:20
S36	80	multi$processor same simulat$3 and timing same transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:27
S37	3	(master and slave) same simulat$3 same processor same bus and timing same transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:29
S38	14	(master and slave) same simulat$3 same bus and processor and timing same transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:30
S39	2	"20040143834"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:40

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S40	1	DOE same experiment same empirical and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:43
S41	0	"703".clas. same experiment same empirical and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:43
S42	0	"703".clas. and experiment same empirical and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:44
S43	5	"703".clas. and experiment same design and empirical and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:45
S44	16	"702".clas. and experiment same design and empirical and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:45
S45	4	"702".clas. and experiment same design and DOE and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:46
S46	3	"703".clas. and experiment same design and DOE and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:48
S47	1	"703".clas. and experiment same design same engine and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:48
S48	2	"702".clas. and experiment same design same engine and library and task and resource and equipment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:48
S49	6	(design near3 experiment) same (test adj (equipment or instrument))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 18:50

EAST Search History

S50	71	multi$objective adj optimization near6 design$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 17:57
S51	0	"6213225.pn"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 17:57
S52	0	"6213225.pn."	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 17:58
S53	2	"6213225".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 10:06